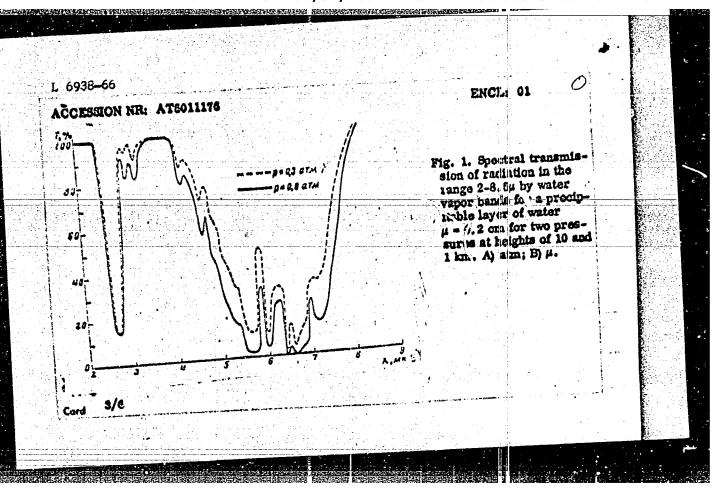
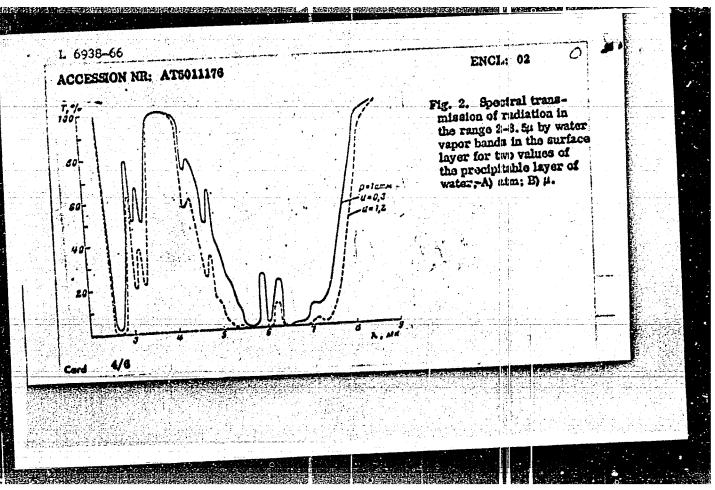
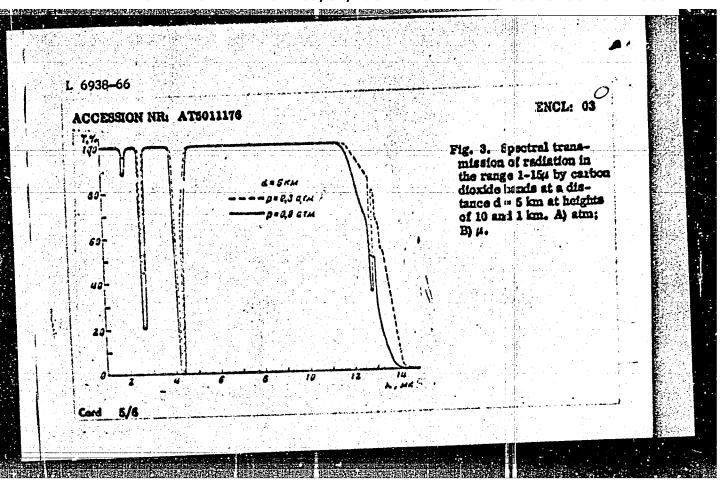
"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001757710002-1



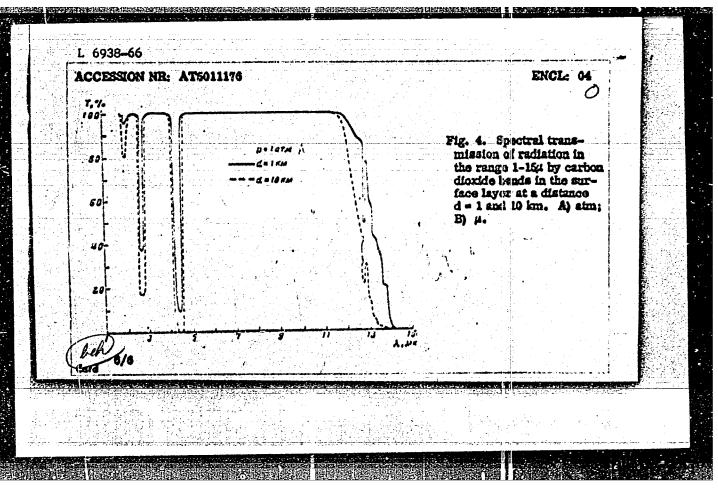
"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001757710002-1

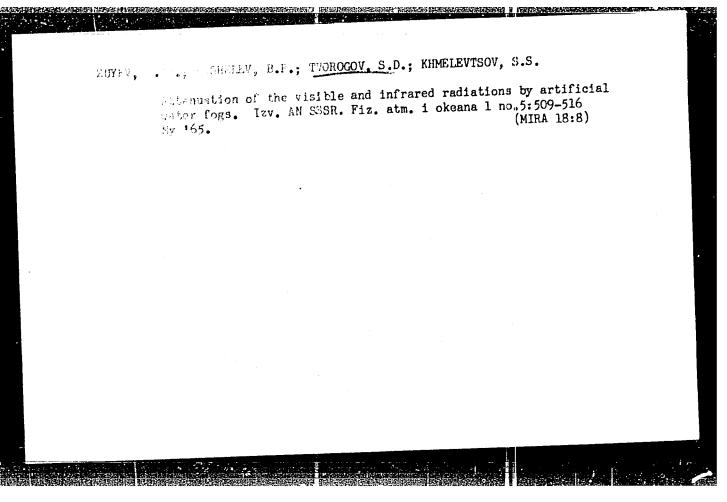


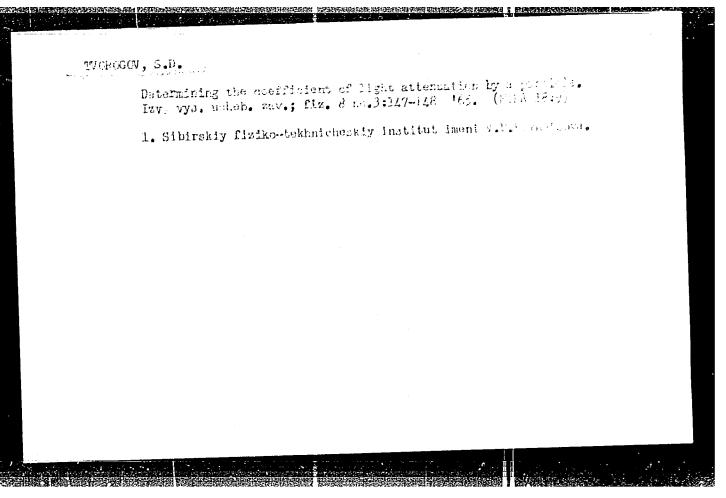
"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001757710002-1



"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001757710002-1







TVURCOOV, S.D.

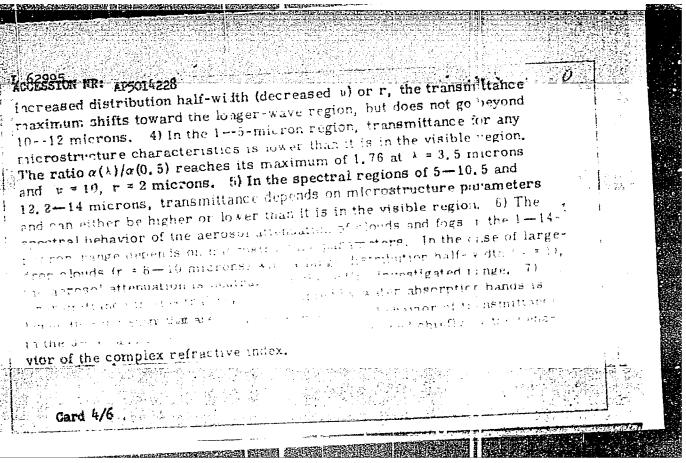
Scalar approximation in the problem involving the scattering of a plane light wave on a sphere. Izv.vys. ucheb. zav.; fiz. 8 no.3: [ARA 18:9] 175-176 '65.

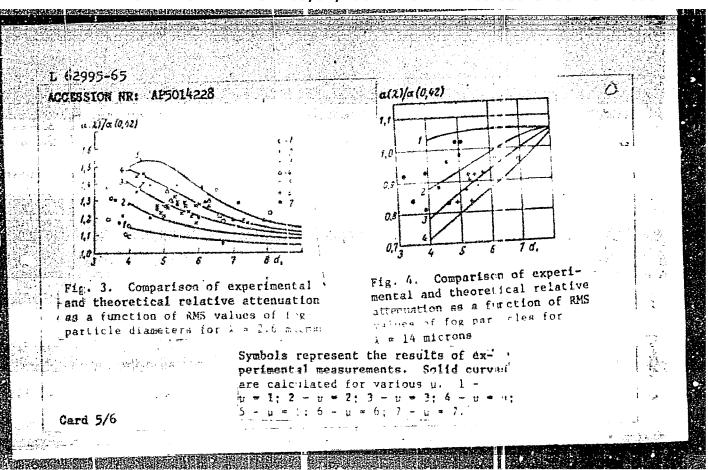
1. Sibirskiy fiziko-tekhnicheskiy institut imeni V.D.Kuzuctsova.

L 62995-65 EXT(1)/FCG GN UR/0362/63/003/005/0509/0516 ACCESSION NR: AP5014228 Zuyev, V. Ye.; Koshelev, B. P.; Tyor-zov, S. D.; Khmelertsov, TITLE: Attenuation of visible and infrared radiation by articial 12,55 SOURCE: AN SSER. Inventiya. Pizika atmosfery 1 okeena. v. 1, rd. 5, 1965. 509-516 TOPIC TAGS: cloud physics, fog. IR radiation, atmospheric physics, atmospheric optics ABSTRACT: The optical and microphysical properties of fog were investigated theoretically and experimentally by a group associated with the Siberian Physicotechnical Institute. Data on the attenuation of visible and infrared radiation in fogs calculated with allowance for polydispersion and absorption in water droplets were compared with results of experimental determinations of the spectral transmittance of artifically created fog-Card 1/6

프로스 경기 경기 보다는 것이 되었다. 그런 그런 경기 경기 가장 되었다. 그런		
경영·영영·영영·영영·영영·영영·영영·영영·영영·영영·영영·영영·영영·영	7	
2 62995-65	Y 1	
ACCESSION NR: AP5014228	ALB IS	
of the study, approximate expressions were de-		
In the theoretical part of the study, approximate expressions were de- rived for determining the aerosol attenuation $\alpha(\lambda)$ of clouds and fog. Cal-	-12-5-1-1	
mived for determine to a microns		
culations were performed for values of \(\lambda\) ranging from \(\sigma\) and \(\text{is (param-}\) and for values of \(\text{r}\) (the most probable distribution radius) and \(\text{is (param-}\) (param-) and for values of \(\text{r}\) (the most probable distribution half-width) of the drop-size distribution	n iştəbir l iğ	
and for values of r (the most probable distribution radius) and for values of r (the most probable distribution radius) and for values of r (the most probable distribution radius) and for each radius and the distribution are considered as a considered result of the distribution of the drop-size distribution and the considered results and the considered results are considered as a considered results and the considered results are considered results are considered results and the considered results are considered results are considered results and the considered results are considered results are considered results and the considered results are considered results are considered results and the considered results are considered results and the considered results are considered results are considered results are considered results and the considered results are considered results are considered results and considered results are considered results and considered results are considered	į	9,7
eter characterizing the distributed for Parameter r ranged from 2 to		
eter characterizing the distribution of the distribution of natural water clouds and fog. Parameter r ranged from 2 to function of natural water clouds and fog. Parameter r ranged from 2 to function of natural water clouds and fog. Parameter r ranged from 2 to function of natural water clouds and fog. Parameter r ranged from 2 to function of natural water clouds and fog. Parameter r ranged from 2 to function of natural water clouds and fog. Parameter r ranged from 2 to function of natural water clouds and fog. Parameter r ranged from 2 to function of natural water clouds and fog. Parameter r ranged from 2 to function of natural water clouds and fog. Parameter r ranged from 2 to function of natural water clouds and fog. Parameter r ranged from 2 to function of natural water clouds and fog. Parameter r ranged from 2 to function of natural water clouds and fog. Parameter r ranged from 2 to function of natural water clouds and fog. Parameter r ranged from 2 to function of natural water clouds and fog. Parameter r ranged from 2 to function of natural water clouds and fog. Parameter r ranged from 2 to function of natural water clouds and fog. Parameter r ranged from 2 to function of natural water clouds and fog. Parameter r ranged from 2 to function of natural water clouds and fog. Parameter r ranged from 2 to function of natural water clouds and fog. Parameter r ranged from 2 to function of natural water clouds and fog. Parameter r ranged from 2 to function of natural water clouds and fog. Parameter r ranged from 2 to function of natural water clouds and fog. Parameter r ranged from 2 to function of natural water clouds and fog. Parameter r ranged from 2 to function of natural water clouds and fog. Parameter r ranged from 2 to function of natural water clouds and fog. Parameter r ranged from 2 to function of natural water clouds and fog. Parameter r ranged from 2 to function of natural water results and fog. Parameter r ranged from 2 to function of natural water results and fog. Parameter r ranged from 2 to function	ì	· ·
10 microns, and μ , 170 m 1 to 10 microns, and μ , 170 m 1 to 14 microns.	;	
of calculations of $\alpha(\lambda/\alpha 0.5)$ for the relative	1	
of calculations of $\alpha(\lambda)/\alpha(0.5)$ for wavelengths of the relative. It is evident from the figures that the spectral behavior of the relative latternation essentially depended on the parameters of the drop-size distribution essentially depended on the parameters of the drop-size distribution.	i	
nattenuation essentially depended on the parameters	1 1	
Hadion function.		
the following con	- 15	
On the basis of an analysis of the theoretical results, the following con	- !	
On the basis of an analysis of the theoretical results, the clusions were drawn: 1. In the visible region, $\alpha(\lambda)$ is practically independent of wavelength for all clouds and fogs. 2) In the 10.5-12.2-micron than it is in the visible region. 3) With		
Hent of wavelength for all clouds and logs. of the wavelength for all clouds and logs. at the wavelength for all clouds and logs.		
rent of wavelength for all clouds and logs. Fragion, transmittance is higher than it is in the visible region. 3) With		
	1 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	
Card 2/6		·
Value of V		

I. 62995-6	5 IIR: AP5014228	a(zi/a(0,5)
	a(2)/a(4,5)	
	35 1 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	11 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
	Fig. 1. Calculated relative attenuation as a function of wave- length for u = 2 1 - r = 2; 2 - r = 3; 3 - r = 4; 4 - r = 5; 5 - r = 8; 6 - r = 10.	Fig. 2. Calculated relative attenuation as a function of wavelength for t = 10. Designations of curves are the same as in Fig. 1.
Card 3/6	The service of the primarile production and the service of the ser	





	and the state of t		
L 62995-65 ACCESSION NR: APSOL4228	ali andre andre se propose de la companya de la co En la companya de la		
		ntal data obtained	
The theoretical results were in artificial fogs. The equipment	used in the experiments	was capable or	
manguring fog particles ranging it	n size from the very larg	681 . C. O. 9 1. 0 thr.	
crops in diameter. Over 3000 ap	ectral measurements we	re made irom	
800 drop et samples from 120 arti	ificially created fogs. The	he opinical density	i
of the annual seried series of visit	r in page in the period and the en- of sand A. S. x. 10 T. croft.	For the	
ممتحم المصابي والمراجع والمناطقة والمتحمد المتحاط والمتحاط والمتحا	none ware made of calcul	ated and expect-	
ontol williag of relative attenuation	on as a function of RIVIS V	aine i or rof.	
particle diameters for various u. 2.6- and 14.0-micron wavelength	Figs. 3 and 4 show the	oical of the satis-	•
factory agreement between experi	imental and theoretical v	aluen over the	
antire investigated range. Orig.	art. has: 4 graphs.		
ASSOCIATION: Sinirskiy Fiziko Te	khnicheskiy Institut (Sib	erian Physical-	
Technical Institute)	√.".	SUB CODE: ES	-
SUBMITTEL: 10Mar64	encl: 00 Other: 00 ¹	FSB v.1,no.9	
NR REF SCV: 005 Card 6/6 1-04	M ELAMEAT *		
The state of the s			

ATATES ON TO: AT	(1)/FGC P1-4 G8/GW গোটনী	UR/0000/61/000/AD	~ · 👪
TAUTHOR: Zurey, V.	Ye.; Kabanov, M. V.; Kosbelev	B. P.; Tvorogov, S. D.	; Rme- 211
levtsov, S. B.	frankjeroj, kođ mir metopita	· · · · · · · · · · · · · · · · · · ·	
SOURCE: Meshvedon	matvennoye soveshchaniye po ak . Aktinometriya i optika kumo veshchaniya. Moscow, Izd-um N	tinometrii i optike atmos sfery (Actinometr, and a	sfery. umoapheri c
TOPIC TAGS: acti	ficial fog, spectral transpare	ncy, artificial for micr	
e ersertuented Ye	ticle discusses the results of	ബോഗ്യൂൻ) വിധാനം പ്രധാനം പ്രധാനം ക്രാധ്യക്ക്	From the state of
c: attendation to	or a polydiste end accide of properties of the impactor of the impactor of the second	Gimultanernaly perfor	:PXI.; TBe:Læ id8 * Hinded
Card 11/3			
HIESTERACE PROSECULAR			

L 47763-65 ACCESSION NR: 1175011161

possible to quantitatively compare the theoretical and experimental data. The calculations show that the spectral variation of the relative attenuation coefficient depends greatly on the particle size distribution. It all cases the transparency of a fog is lower in the 2-5µ region than in the visible region, thereas in the 10-12µ region all fogs are more transparent than in visible light whereas in the 10-12µ region, the transparency can be either smaller or wavelength. In the 5--10µ region, the transparency can be either smaller or

spectral optical measurements were made in an arranged in travel spectrometer volume, using a specially constructed photometer and an IKN-6 intrared spectrometer for the measurement of the transparency in the physical and influred regions.

All optical and microphysical measurements were made for the spectral region near All optical and simultaneously in the infrared region at 2.15, 3.7, 5.3, 8.0, 10.0, and 0.42 and simultaneously in the infrared region at 2.15, 3.7, 5.3, 8.0, 10.0, and 11.8. The optical density of the fogs ranged from 0.1 to 1.5, and the attentuation for visible light ranged from 2 x 10⁻¹ to 52 x 10⁻¹ cm⁻¹. The agreement the constant of appreciable experimental errors. Orig. art. mas; once account is taken of appreciable experimental errors. Orig. art. mas; (02) figures and 10 formulas.

Card 2/3

"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001757710002-1

1, 47752-65 ACCESSION BY ABSOCIATION		tekhnicheskiy inaliti technical Institute a	rt pri Tomskom 10 the Tomsk State	sudarstvennon University)
universitete	25Nov64	ENCL: 00	001	
W.Cam	and a meanwhile source	OTHIST ; CON	ALO PRO 66	
	SA COSTON CONTRACTOR			
			inger Magnitus	

Optical properties of aerosol. Trudy Astrofiz.inst. As Kazakh.
SSR 3:105-107 '62. (MDRA 16:11)

On certain representations of an analytic expression for the coefficient of light attenuation of the aercol component of the atmosphere. Izv.vys.uch.zav.; fiz. no.4:175-176 162.

1. Sibirskiy fiziko-tekhnicheskiy institut pri Tomskom gosudarstvemnom universitete imeni V.V. Kuybysheva.

(Atmospheric transparency)

		S/913/62/003/000/017/033 D405/D301
AUTHO	R: Tvo	rogov, S.D.
TIPLE		calculating the optical characteristics aerosols
SOURC	ins pol Sov	demiya nauk Kazakhskoy SSR. Astrofizicheskiy titut. Trudy. v. 3. 1962, Rasseyaniye i yarizatsiya sveta v zemnoy atmosfere; materialy eshchaniya po rasseyaniyu i polyarizatsii ta v atmosfere. 105 - 107
the cother 'praxitation'	lation of the o computational wo formulas for n s. The deductio the density of	author derives a formula for the numerical ptical characteristics of aerosols whereby rk is considerably reduced as compared to numerical integration; this was proved in n of the formula is based on the assumption the size distribution function of particles rmal-logarithmic law. The formula which has

S/913/62/003/000/017/033 D405/D301

On calculating the optical ...

on calculating the optical ...
$$\frac{0405/0501}{1405/0501}$$

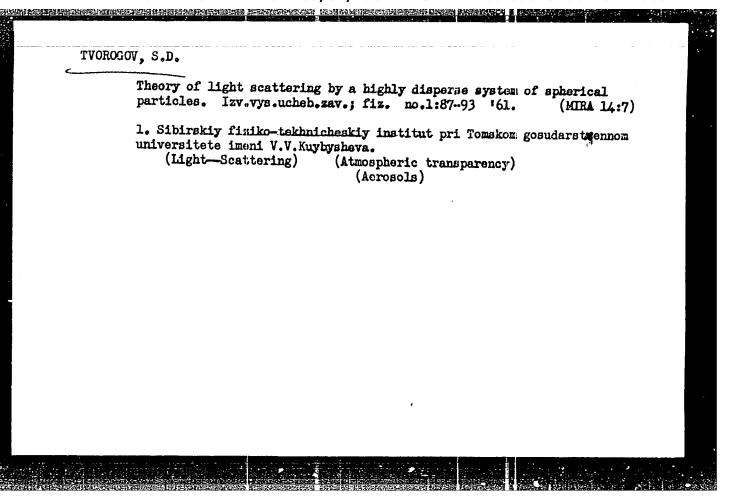
$$F(z,t) = e^{-t/4} \cdot \frac{1}{\sqrt{\pi t}} \int_{0}^{\infty} T^2 e^{-1/t(1\pi T)^2} K(z,T) dT. \qquad (3)$$

where z=2 $\pi r/\lambda$; λ is the wavelength of the incident light and K is the extinction function introduced in Mie's theory. After calculations, one obtains the following formula for the numerical integration of (3)

$$\psi_{1,k} = \frac{1}{2^{k}} \sum_{p=0}^{k} \varphi_{1-k+2p} \cdot C_{k}^{p}$$
 (10)

where Cp is the binomial coefficient and \$\psi\$ is a function which satisfies the heat-flow equation. Formula (10) was obtained by the method of nets. This formula can be also used for calculating the scattering function and other elements of the moattering metrix.

Card 2/2



TVOROGOV, S. D.

Possibility for using the method of difference in calculating the coefficient of light attenuation for the aerosol component of the atmosphere. Izv. vys. uch. zav.; fiz. 3:174-1.75 62.

(MIRA 15:10)

1. Sibirskiy fiziko-tekhnicheskiy institut pri Tomskom gosu-darstvennom universitete imeni Kuybysheva.

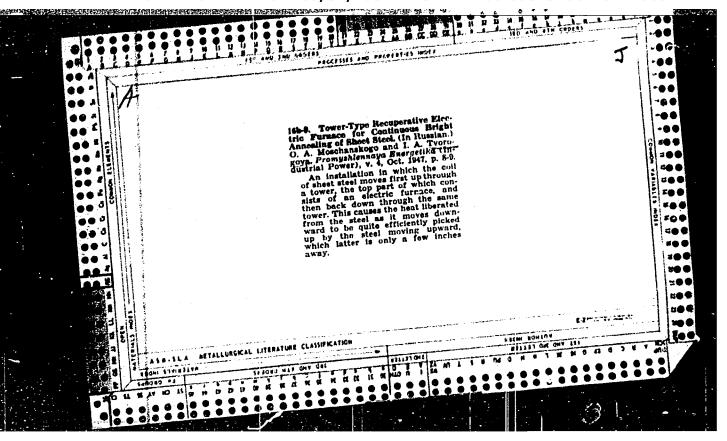
(Atmospheric transparency) (Aerosols)

ENCOMPONI PRESIDENCE ENCOMPENSACIONE PER PROPERTO DE LA COMPONICIONA DEL COMPONICIONA DE LA COMPONICIONA DE LA COMPONICIONA DEL COMPONICIONA DE LA COMPONICIONA DEL COMPON

TVOROGOVA, A. S.

Yu. A. Orfanitskiy, M. A. Fedchenko, and A. S. Tvorogova on "Soil Problems connected with the problem of clearance types.

report presented at the Conference on Forestry, Arkhangel'sk, 14-15 April 1958 (Vest. Ak Nauk SSSR, 1958, No. 7, pp. 133-4)



s/169/62/000/006/031/093 D228/D304

AUTHOR:

Tvorogova, I. A.

TITLE:

Abyssal geologic structure of Turkmeniya's north-west

part according to aeromagnetic data

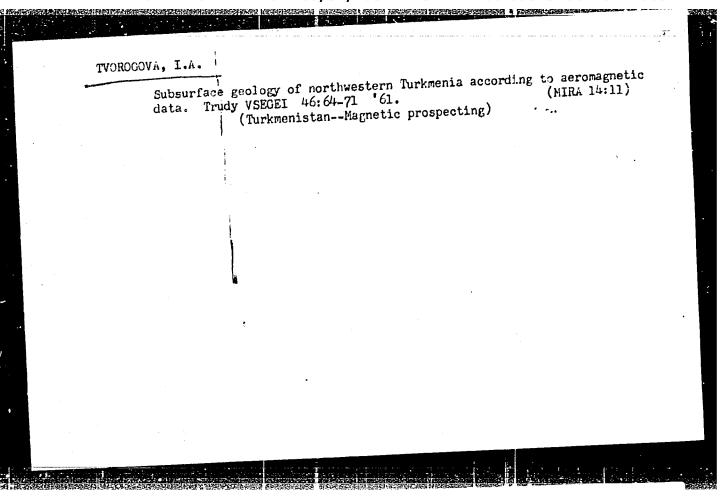
PERIODICAL:

Referativnyy zhurnal, Geofizika, no. 6, 1962, 30, abstract 6A221 (Tr. Vses. n.-i. geol. in-ta, 46, 1961,

64 - 71)

TEXT: The results of the interpretation of aeromagnetic survey data are described. Mass determinations of the Paleczoic basement's depth were made, and a schematic map was constructed for the depths of the disturbing bodies. / Abstracter's note: Complete translation. /

Card 1/1



TVOROGOVA; BADAMYAN; KUREOSOV, M.A.; ZAGATIN, M.F.; RETTMAN, I.M., redaktor; PRIROVA, Ye.A., redaktor; TRUFIMOV, A.V., tekhnicheskiy redaktor

[Catalog of spare parts for perroleum equipment] Katalog zapasnye k neftianomu oborudovaniiu. Moskva, Gos.nauchno-tekhn.izd-vo neftianoi i gorno-toplivnoi lit-ry. Pt.2. [Equipment for drilling wells. Section 1. Drill winches. No.2. Four-speed drill winch, model Ll-4M2] Oborudovanie dlia bureniia skvazhin. Section 1. Lebedki burovye. No.2. Lebedka chetyrekhskorostnaia Ll-4M2. 1955. 33 p. Pt.3. [Equipment for operating wells. Section 2. Deep well non-insert (pipe) pumps. No.4. NGN2-56. Section 3. Deep well insert pumps. No.5. NGN3-56 3"-1800 (NGB1-56)] Oborudovanie dlia ekspluatatsii skvazhin. Section 2. Nasosy glubinnye nevstavye (trubnye). No.4. NGN2-56. 1955.15 p. Section 3 Nasosy glubinnye vstavye. No.5. NGN3-56 "3-1800 (NGV1-56). 1955. 10 p. (MIRA 9:3)

1. Soyuznefteburmashremont, Gosudarvennyy soyuznyy trest. (Oil well pumps) (Petroleum industry--Equipment and supplies)

ABRAMOV, M.A.; ALIVERDIZADE, K.S.; AMIROV, Ye.M.; ARENSON, R.1.; ARSEN'IEV, S.I.; BAGDASAROV, R.M.; BAGDASAROV, G.A.; BADAMYANTS, A.A.; DANIYELIAN, G.N.; DZHAFAROV, A.A.; KAZAK, A.S.; KERCHEMSKIY, M.M.; KOHYUKHOV, S.I.; KRASNOBAYEV, A.V.; KURKOVSKIY, A.I.; LALAMAROV, G.S.; LARIONOV, Ye.P.; LISTENGARTEN, M.Ye.; LIVSHITS, B.L.; LISIKYAN, K.A.; LOGINOVSKIY, V.I.; LYSENKOVSKIY, P.S.; MOLCHANOV, G.V.; MAYDEL'MAN, N.M.; CKHON'KO, S.K.; ROMANIKHIN, V.A.; ROSIN, I.I.; RUSTAMOV, E.M.; SAMKISOV, R.T.; SKRYPNIK, P.I.; SOBOLEV, N.A.; TARATUTA, R.N.; TYOROGOVA, L.M.; TER-GRIGORYAN, A.I.; USACHEV, V.I.; FAYN, B.P.; CHICHEROV, L.G.; SHAPIRO, Z.L.; SHEVCHUK, Yu.I.; TSUDIK, A.A.; ABUGOV, P.M., red.; MARTYNOVA, M.P., Vedushchiy red.; DANIYELYAN, A.A.; TROFIMOV, A.V., tekhn.red.

ndere in a verdamente de la companyament de la comp

[Oil field equipment; in six volumes] Neftiance oborudovanie; v shesti tomakh. Moskva, Gos.nauchno-tekhn.izd-vo neft. i gorno-toplivnoi lit-ry. Vol.3. [Petroleum production equipment] Oborudovanie i instrument dlia dobychi nefti. 1960. 183 p. (MIRA 13:4)

(Oil fields -- Equipment and supplies)

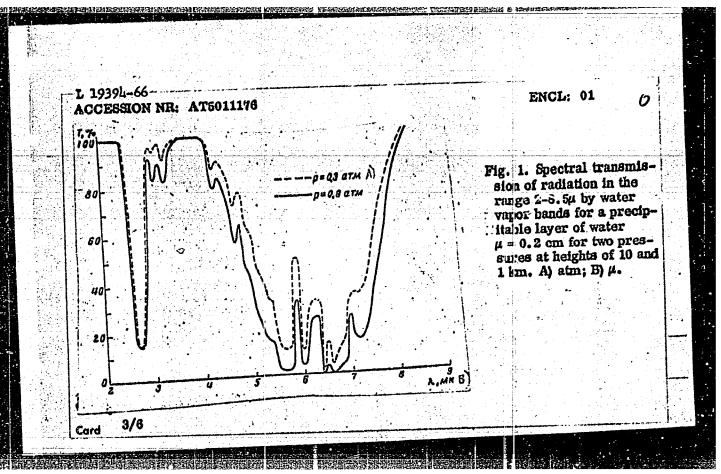
TVORCGOV, N.N.; KOROLEV, G.V.

Polymerization of highly viscous media and three-dimensional polymerization. Fart 5: Apparatus for studying unsteady state kinetics (pre- and post-effect) in the case of the polymerization of polyester morylates. Vysokom.seed. 6 no. 5:877-88) by 164. (M.RA 17:6)

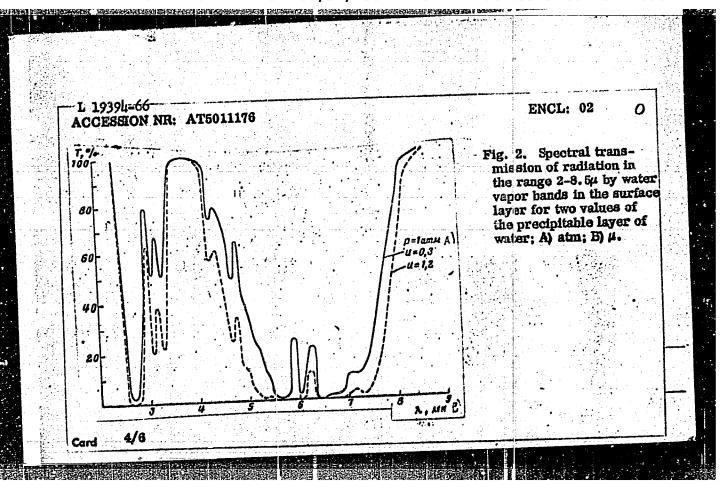
1. Institut khimicheskoy fiziki Ali 335%.

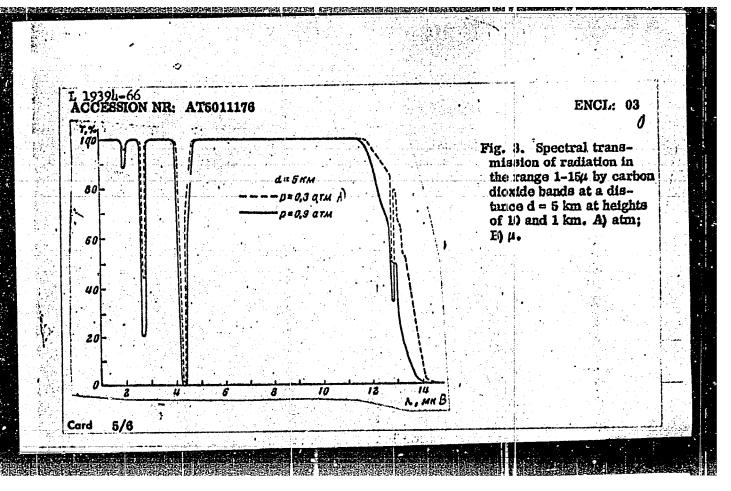
ENT(1)/FCC 1939և-66 UR/0000/64/000/000/0221/0226 ACCESSION NR: AT5011176 AUTHOR: Zuyev, V. Ye.; Nesmelova, L. I.; Sapozhnikova, V. A.; Typrogov, S. D. TITLE: Calculations of atmospheric transparency for infrared radiation SOURCE: Mezhvedomstvennove soveshchaniye po aktinometrii i optike atmosfery. 5th, Moscow, 1963. Aktinometriya i optika atmosfery (Actinometry and atmospheric optics); trudy soveshchaniya. Moscow, Izd-vo Nauka, 1964, 223-226 TOPIC TAGS: infrared radiation, atmospheric water vapor, atmospheric transparency, atmospheric light absorption, atmospheric optics ABSTRACT: Precise computation of the absorption coefficient and the absorption function for the infrared absorption spectra of the principal absorbing components of the atmosphere is discussed. Such computations require knowledge of a large number of parameters characterizing both the molecule whose absorption spectrum is radiated and the transitions causing the presence of these lines and bands. Since much computation work is involved, simplification has been sought by using models of absorption bands. In this paper, the quasi-statistical model is used (V. R. Stull, P. J. Wyatt, G. N. Plass, Final report of the theoretical study of infrared radiative behavior of flames, 1961). In this approach, the 1/6

L 19394-0	66	g a sangan ng maganan na pagananan na			1	
ACCESSIO	ON NR: AT5011176		manga	go that, within	this interval,	
atatistica	l model is applied to ion of lines is equi-	o a quite narrow probable. The v	alues for water	vapor, carbon	dioxide and	
07000 118	ed in this dader we	10 fatter trous		magnification of the	iwn in Figure	8
the ozone	band were made R Enclosure. Figu	es 1 and 2 show	the spectrum of	the water vapo	r and carbon.	3
1 m-2 Or m	t tel complement	ing taken into acc	count) for press	of 1 and o	A above the	. 1
dioxide b	ands (with overlapp	and amter vano	r for different 1	pressures. Fig	* 4 RIDOMB FITE	3 .
dioxide b	ands (with overlapp e absorption spectr on of carbon dioxide	um of water vapo . Orig. art. has	r for different p : 4 figures.	pressures. Fig	, 4 anowa me	
dioxide b shows th absorption	on of carbon dioxide	Orig. art. has	: 4 figures.	omaloon maida	rstvennom	
dioxide b shows th absorption	on of carbon dioxide	Orig. art. has	: 4 figures.	omaloon maida	rstvennom	
dioxide be shown the absorption of the control of t	a absorption specta on of carbon dioxide TION: Sibirskiy fi tete (Siberian Physi	Orig. art. has kiko-tekhnicheski cs and Technolog	: 4 figures. y institut pri T y Institute at T	omaloon maida	rstvennom versity)	
dioxide be shown the absorption of the control of t	a absorption spectron of carbon dioxide TION: Sibirskiy fitete (Siberian Physical P	of Orig. art. has kiko-tekhnicheski cs and Technolog ENCL;	: 4 figures. y institut pri T y Institute at T	omskom gosuda omsk State Univ	rstvennom versity)	
dioxide be shown the absorption of the control of t	a absorption specta on of carbon dioxide TION: Sibirskiy fi tete (Siberian Physi	Orig. art. has kiko-tekhnicheski cs and Technolog	: 4 figures. y institut pri T y Institute at T	omskom gosuda omsk State Univ	rstvennom versity)	
dioxide be shown the absorption of the control of t	a absorption spectron of carbon dioxide TION: Sibirskiy fitete (Siberian Physical P	of Orig. art. has kiko-tekhnicheski cs and Technolog ENCL;	: 4 figures. y institut pri T y Institute at T	omskom gosuda omsk State Univ	rstvennom versity)	
dioxide be shown the absorption of the control of t	a absorption spectron of carbon dioxide TION: Sibirskiy fitete (Siberian Physical P	of Orig. art. has kiko-tekhnicheski cs and Technolog ENCL;	: 4 figures. y institut pri T y Institute at T	omskom gosuda omsk State Univ	rstvennom versity)	



"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001757710002-1





ZUYEV, V.Ye.; TVOROGOV, S.D.

中国的特别的 2000年的特别的 1900年的1900年的1900年的,但是他们是由于中国的特别的特别的对象。

Informative announcement on the intercollegiate scientific conference on the spectral transparency of the atmosphere in the visible and infrared spectral regions. Izv. vys. ucheb. zav.; fiz. 8 no.4:185-186 '65. (MIRA 18:12)

1. Sibirskiy fiziko-tekhnicheskiy institut imeni V.D. Kuznetsova. Submitted July 16, 1965.

ZUYEV, V.Ye.; KABANOV, M.V.; KOSHELEV, B.P.; TVOROGOV, S.D.; KHMELEVTSOV, S.S.

Spectral transparency and microstructure of man-made fogs. Part 1. Izv. vys. ucheb. zav.; fiz. no. 2:90-97 '64. (MIRA 17:6)

1. Sibirskiy fiziko-tekhnicheskiy institut pri Tomskom gosudarstvennom universitete imeni V.V.Kuybysheva.

ACCESSION NR: AP4036563

8/0139/61/000/002/0090/0097

AUTHORS: Zuyev, V. Ye.; Kabanov, M. V.; Koshelev, B. P.; Tvorogov, S. D.; Khmelevtsov, S. S.

TITLE: Spectral transparency and microstructure of artificial fog. 1

SOURCE: IVUZ. Fizika, no. 2, 1964, 90-97

TOPIC TAGS: fog, spectral transparency, infrared spectrometer, photometer, droplet concentration, water content, spectrometer IKS 6, photometer FEU 22

ABSTRACT: The details of an experimental analysis in the study of artificial fog microstructure and spectral transparency are presented. All measurements were made in artificial fog created by evaporation in a 15⁻³ m chamber. In IKS-6 infrared spectrometer was used to determine transparency in the region 2.15 μ , and a spectrometer FEU-22 was used to determine the transparency in regions 0.42, 0.68, 0.94 photometer FEU-22 was used to determine the transparency in regions 0.42, 0.68, 0.94 and 1.03 μ with 20-30 m μ width. Probes were placed in the chamber to determine droplet concentration, droplet distribution functions and parameters, and water content of the mist. The instruments included flow traps of shift and reel type, curvilinear flow traps for fine-droplet capture, and optical instruments with remote control. An attempt was made to measure spectral transparency simultaneously with

Card 1/2

APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001757710002-1

ACCESSION NR: AP4036563

taking microstructure measurements determined from parameters:

$$q = \frac{\pi}{6} \sum_{i} n_i d_i^3 ; \quad d_2 = \sqrt{\frac{\sum_{i} n_i d_i^4}{\sum_{i} n_i}} ; \quad d_3 = \sqrt{\frac{\sum_{i} n_i d_i^4}{\sum_{i} n_i}} .$$

where q - water content of fog, d_2 - mean squared diameter, d_3 - mean cubic diameter, n_1 - droplet concentration. The results show that (for droplets with diameters greater than 3 μ) the capture coefficient of curvilinear flow traps is unity. A parameter was found for correlating the microstructure data given by: $k_{0.42}/2S_g = C$, where S_g - geometric cross section of droplet per unit volume, $k_{0.42}$ - attenuation coefficient, and C varies between 1 and 7. A graph of $k_{\lambda}/k_{0.42}$ versus λ for d_2 = 14 μ shows a "transmission window" in the vicinity of 10 μ . This "window" moves towards larger wavelengths as the droplet mean squared dismeter increases. Orig. art. has: 4 figures, 2 formulas, and 1 table.

ASSOCIATION: Sibirskiy fiziko-tekhnicheskiy institut pri Tomskom gosuniversitete imeni V. V. Kuyby*sheva (Siberian Physicotechnical Institute, Tomsk State University

SUBMITTED: 04Jun63

DATE ACQ: 05Jun64

ENCL: OO

SUB CODE: ES

NO REF SOV: 013

OTHER: 003

Cardy 2/2

ZUYEV, V.Ye.; TVOROGOV, S.D.

Calculating the absorption function for nonuniform paths.

Izv. vys. ucheb. zav.; fiz. 8 no.6:84-86 '165.

(MIRA 19:1)

1. Sibirskiy fiziko-tekhnicheskiy institut imeni V.D.

Kuznetsova. Submitted July 15, 1964.

"APPROVED FOR RELEASE: 08/31/2001

CIA-RDP86-00513R001757710002-1

295118-66 ACC NR. AP6002086

SOURCE CODE: UR/0139/65/000/006/0084/0086

AUTHOR: Zuyev, V. Ye.; Tvorogov, S. D.

ORG: Siberian Physico-Technical Institute im. V. D. Kuznetsov (Sibirskiy fiziko-

tekhnicheskiy institut)

TITLE: Calculation of absorption functions for inhomogeneous bean paths

IVUZ. Fizika, no. 6, 1965, 84-86

TOPIC TAGS: atmospheric optics, absorption function, light attenuation, atmospheric SOURCE:

ABSTRACT: Consideration of atmospheric transparency to inclined beams of light and the theory of radiation transfer in the atmosphere call for the computation of absorption functions for the case of variable pressure paths. In this connection, arguments are offered in favor of applying the method of weighted mean pressure p

 $\overline{p} = \frac{\int \rho(s) p(s) ds}{\int \rho(s) ds}$

to the problem of calculating the radiation absorption function $H = A(m, \bar{p})$, where H and A are absorption functions in the interval $\Delta \gamma = v'' - v'$ for the case of variable

1/2

L 3961.8=66

SUB CODE:

04

ACC NR AP6002086 APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001757710002-1 and constant pressures along the beam path, v is the frequency, and majority is the frequency. the case of a constant pressure along the light beam path. Results of Calculations using the above formulas and numerical integration were compared and indicate that

even under the most adverse conditions the relative error introduced by the derived formulas is of the oreder of 0.003 for spectral intervals of 0.1 µ and practically zero for larger spectral intervals. Orig. art. has: 12 formulas.

SUBM DATE: 15Ju164/ ORIG REF: 001/ OTH REF: 005/

<u>12072-66 EWT(1) PO/GW</u> ACC NR: AP6013466	SOURCE CODE: UR/0139/66/000/002/0143/0150
AUTHOR: Zuyev, V. Ye.; Tvorogov, S. D.	
ORG: Siberian Physicotechnical Institute tekhnicheskiy institut) TITLE: The effect of microstructure passectral transmittance in the 0.5-14 mi	arameters of water clouds and fogs on their icron region
SOURCE: IVUZ. Fizika, no. 2, 1966, 143	3–150
TOPIC TAGS: atmospheric cloud, fog, clerefraction, optic transmission, optic	loud physics, distribution function, atmospheric spectrum
ABSTRACT: The averaged efficiency factories and fogs is analyzed by consider their complex refractive index. The sand fogs are also examined.	
clouds and fogs is defined as the ratio	
the aerosol component of the atmosphering unit volume. By considering some state distribution function, which can be	ne special properties of the drop- be determined from logar thmically
normal and gamma-distribution relati	ons, several formulas are derived
Cord 1/7	•

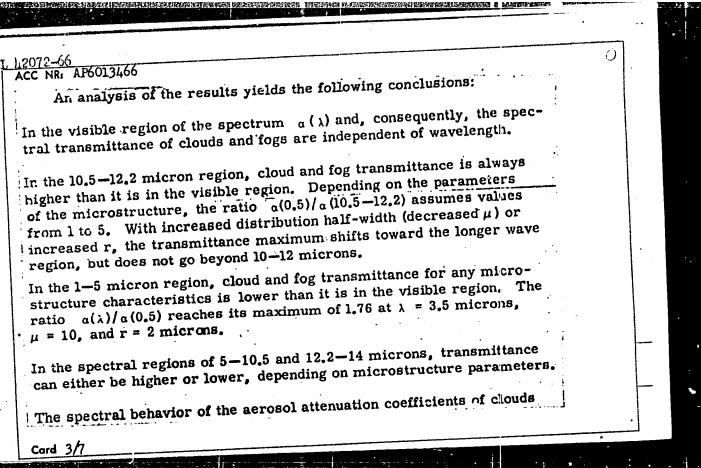
APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001757710002-1"

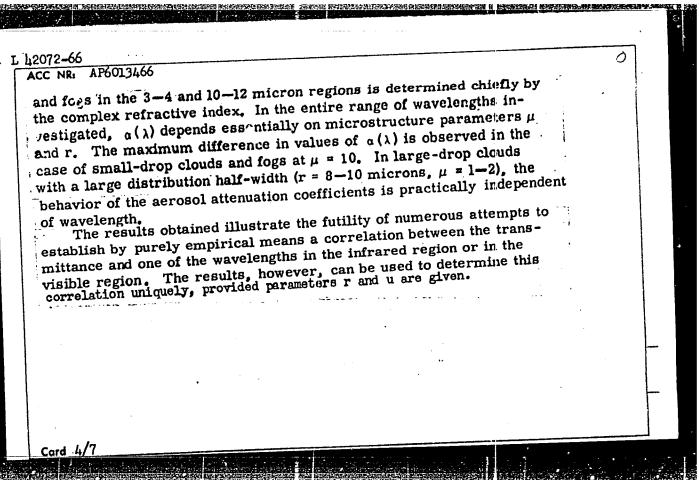
0 L 12072-66 ACC: NR: AP6013466 for calculating F. These expressions are then used to analyze qualitatively the dependence of F on the microstructure characteristics of water The behavior of function F is analyzed for various values of 8 clouds and fogs. and μ , where β is the phase angle and μ is the parameter characterizing the distribution half-width. It is found that with increased & the maximum of F is decreased. This maximum varies with decreased μ , but only for small values of β . Thus, the maximum of F appears to be narrower the smaller the distribution half-width. This indicates that calculations of the spectral transmittance of water clouds and fogs made without considering their microstructure and complex refractive index will not yield reliable results. Bearing this fact in mind, the aerosol attenuation coefficients $\alpha(\lambda)$ are also calculated and analyzed for various values of μ and r, where ris the most probable particle distribution radius. The results of the calculations are illustrated in Figs. 1-6. The data presented in these figures cover practically all the different microstructure characteristics encountered in the atmosphere of liquid clouds

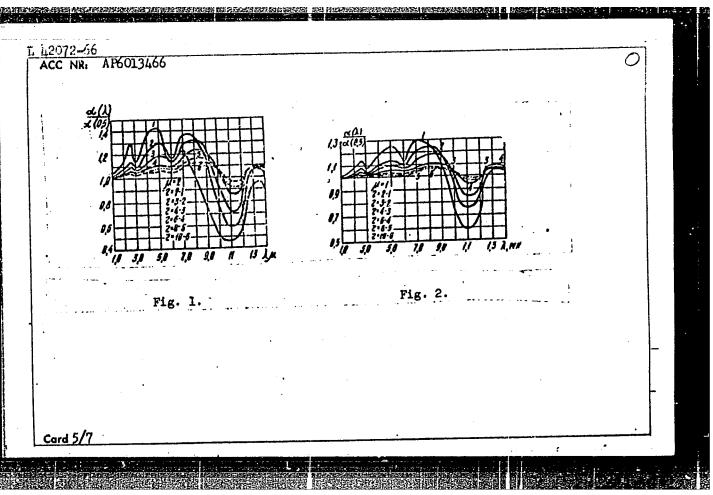
APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001757710002-1"

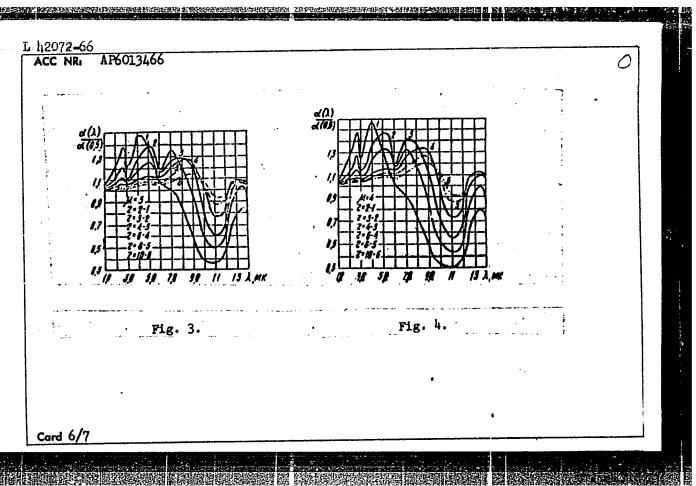
and fogs.

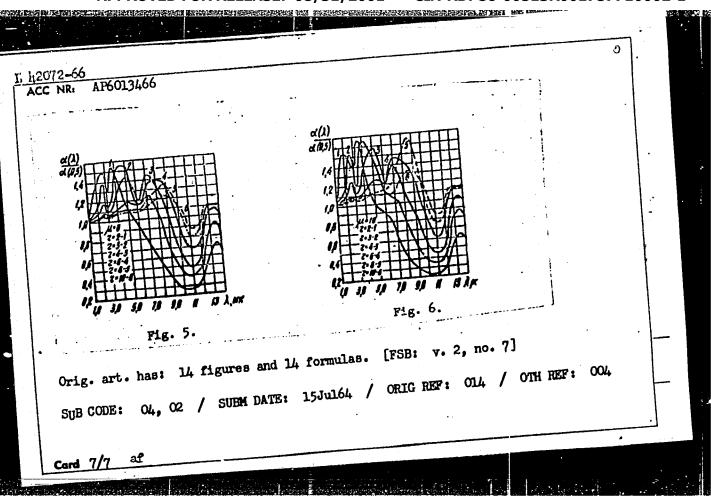
Card 2/7











"APPROVED FOR RELEASE: 08/31/2001

CIA-RDP86-00513R001757710002-1

SOURCE CODE: UR/0139/65/000/004/0185/0186 ACC NRI AP5021189

Zuyev, V. Ye; Tyorogov, S. D. AUTHOR:

Siberian Physico-Technical Institute imeni V. D. Kuznetsov (Sibirskiy fiziko-ORG:

Scientific conference on spectral transparency of the atmosphere tekhnicheskiy institut) TTTLE:

IVUZ. Fizika, no.,4, 1965, 185-186 SOURCE

TOPIC TAGS: atmosphere, atmospheric optics, atmospheric radiation, atmospheric transparency, laser radiation, meteosologic conference, mulicular

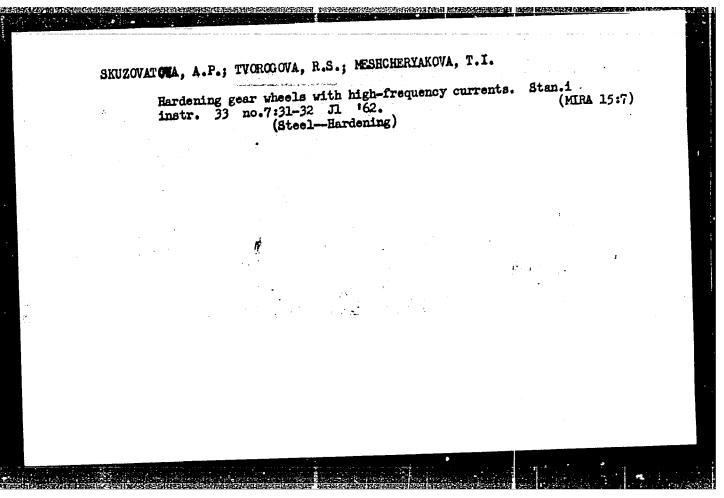
ABSTRACT: An Interinstitutional Scientific Conference on the Spectral Transparency of the Atmosphere in the Visible and Infrared Spectral Regions has been held in Tomsk from 29 June-1 July 1965. Participating in the conference were 127 representatives from 15 cities; 45 papers were presented and discussed. The authors of the papers dealt mainly with the basic processes determining the transparency of the atmosphere; molecular absorption, scattering of light by aerosol particles, and molecular absorption of words in a turbulant design. propagation of waves in a turbulent dedium. Some papers described new equipment. It was noted at the conference that modern methods of molecular spectroscopy are being used in the research work dealing with the theoretical and experimental analysis of molecular ansorption in the

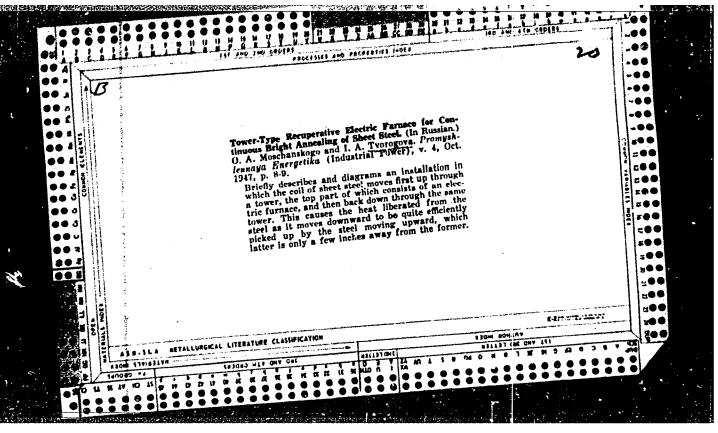
L 44211-66

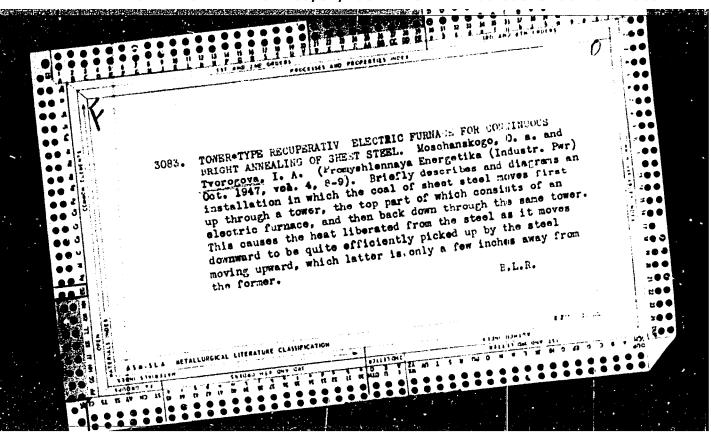
ACC NRAPRROYED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001757710002-1

atmosphere. Analysis of the problem of light scattering by the particle system is also making progress from the poing of view of electrodynamic. Two new scientific and practical problems have begun to attract attention recently: particular features of the propagation of laser radiation in the atmosphere and interpretation of the optical and radiation data of the earth's artifical satellites. Since the problem of atmospheric transparency has important practical applications, many researchers have paid particular attention to the quantitative characteristics which determine the general decrease in the intensity of radiation propagted [JJ]in the atmosphere.

SUB CODE: 04.20 / SUBM DATE: 16Jul65







BLOKH, G.S.; ZABREBNEVA, A.V.; ZUBAREV, K.A.; PECHURO, S.S.; TVOROGOVA, Ye.L.; GNATYUK, T.A.

Producing gypsum fiber sheets on round-screen sheet-making no.2:15-17 F '62. (MIRA 15:3) (Gypsum products)

South Register (Terrative A.) Would like the Fried Hords (Nation of Hords) Who control Control Models (Nation of Hords) Easis Control Control Models (Nation of Hords) Cable Control Easis Control Model (Nation of Hords) Control Territors books (Nation of Hords) Control Territors and Paris for Fland Models Control Territors and Paris (Nathor) Territors (Cayer- Model Airplans Engines MU-C5-9 and MES-O5-7 (Cayerwidy, O.) Who control Territors for Model Airplans Engines Reformation of Compression in Model Airplans Engines (Cayerwidy, O.) Whatelman, A.) (Cayerwidy, O.) (Cayerwidy, O.) (Carling an Incandescent Flug on the ME-125 Compressor Engine (Carling and Incandescent Flug on the ME-125 Compressor Engine Open tion Those for Model Airplans Engines (Origorenco, A.) 113 (Carling and Incandescent Flug on the ME-125 Compressor Engine Open tion Those for Model Airplans Engines (Origorenco, A.) 113	A. Kradinov (Vintin. G.) A. Kradinov (Vintin. G.) kale (Socioty, Yu.) kale (Socioty, Yu.) selled World Airplanes repres W.) Althorate (Kirtlanes) a. Introduction the Take-Cif Stand (Kirtlanes) selin Fiston Engines	HARE OF CONTENTS: Charles of Propeller and Rubber Band Propulsion for 21 Fighing Model Arrylanes *Spairnoy, E. Special Features of Fiight of Models with Reduced 25 Habber Band Propulsion *Nature of Constanting for Model Airplanes 27 Pright Fant Two. Constanting Righ-Speed Models for Rettilinear 32 Fight Fant Two. Constanting AND LAUXCHING MODEL AIRPLANTS	Aviandeliz; abornik statey, Posobly dya rukovoditoley avianodel. Aviandeliz; abornik statey (Almorat Woolling; Collection of Articles. Nyth kruzhov 1 uchitasey (Almorat Woolling; Collection of Articles. Nythock for Instructors of Nodel Almorat tibus and Teachers) Nythock for Instructors of Nodel Almorat tibus and Teachers) Nythock for Instructors of Nodel Almorat tibus and Teachers) Nythock for Prick thusov, Candidate of Technical Sciences, and N.3. Lebedinstdy, Candidate of Technical Sciences, and N.4. Stakmursidy; Tech. Ed.; V.I. Kornsyen. A.7. Stakmursidy; Tech. Ed.; V.I. Kornsyen. Nodel almorate of the Army, Navy, and directors of model almorate of the Army, Navy, and Air Powes). COVENIGE. The book consists of 17 articles covering various aspects on trains may illustrations and diagrams. No personalities are sentioned. There are 185 references, all Soviet.	
---	--	---	--	--

27913 S/080/61/034/010/006/016 D245/D302

15.2420

AUTHOICE

Tvorogov, N. N.

TITLE:

A method of obtaining dielectric layers of alumina

PERIODICAL:

Zhurnal prikladnoy khimii, v. 34, no. 10, 1961, 2203-2296

Dielectric ${\rm Al}_2{}^0{}_3$ layers on Ta and W surfaces were prepared by thermal dissociation in vacuo of Al(0C $_2$ H $_5$) $_3$. These layers had high density, TEXT: transparency and clearly defined crystalline structure. Preparation of similar layers of $Si0_2$ and B_20_3 by the author, described in previous papers (Ref. 1: ZhPKh, v. 32, 1959, 1043) and (Ref. 2: ZhPKh, v. 33, 1960. 2778) is mentioned. Comparison of the properties of compounds of the type Me(OR) for R = Al, B and Si and for R = Ti, Zr and similar elements suggests the possibility of applying similar techniques to preparing oxide layers of these elements. There are 1 figure, 1 table and 10 references: 7 Soviet-bloc and 3 non-Soviet-bloc. The references to the English-language

card 1/2

SOMOLENKOV, V.A.; TVORTSOV, M.K.

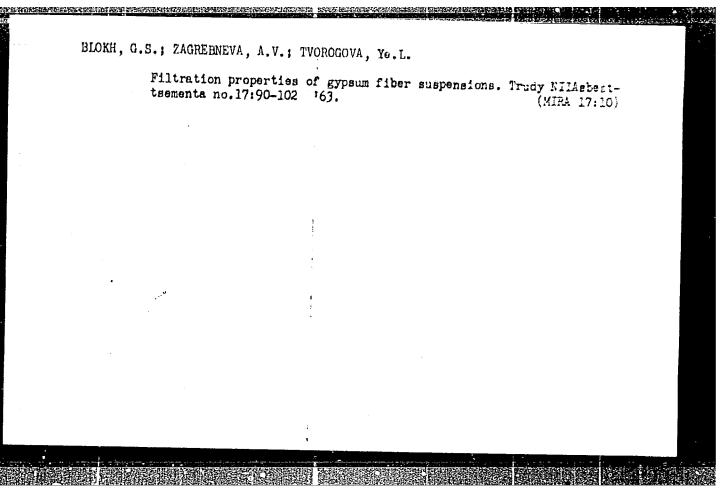
Seminar on standardization in Chuvashia. Standartizatsiia 27
(MIRA 16:4)

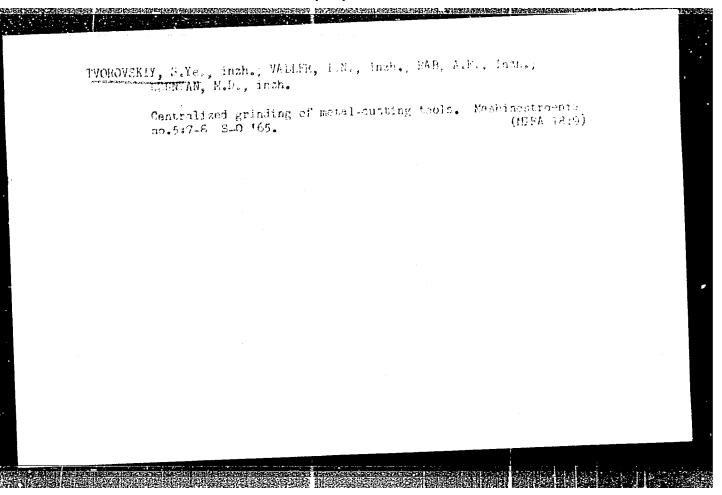
(Chuvashia—Standardization)

ZUYEV, V. Ye.; KABANOV, M. V.; KOSHELEV, B. P.; TVOROGOV, S. D.; KHMELEVTSOV, S. S.

"The influence of microstructure parameters of clouds and fogs on their spectral transmission in Region 0.5-14 Microns."

report presented at the Atmospheric Radiation Symp, Leningrad, 5-12 Aug 64.



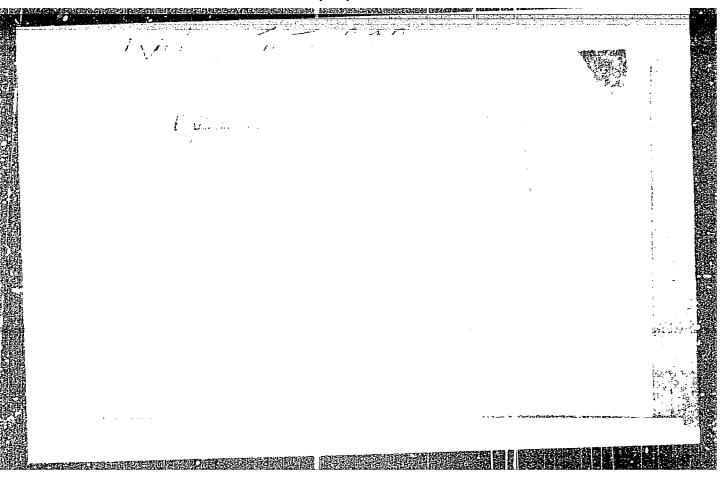


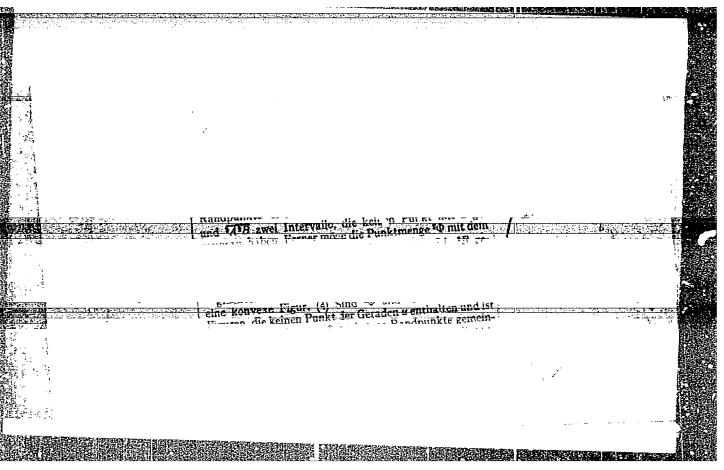
TYRUA, T.

"Amount of Convex Figures." p. 218, (EATLEATICEO-FYMISARRY CASEPIS, Vol. 4, No. 4, 1954, Bratislava, Czechoslovakia)

SO: Eonthly List of East European Accessions, (Edal.), LC, Vol. 4

No. 5, May 1955, Uncl.





L 23538-66 EWT(1)/T ACC NR AP6013988 SOURCE CODE: UR/0216/65/000/001/0066/0074 AUTHOR: Satarova, N. A. Tvorus, Ye. K. Tvorus, E. K. ORG: Institute of Plant Physiology. AN SSSR. Moscow (Institut fiziologii rastenii/ AN SSSR) TITIE: Effect of high temperatures and drought on RNA content and protein synthesis in plants SOURCE: AN SSSR. Izvestiya. Seriya biologicheskaya, no. 1, 1965, 66-74 TOPIC TAGS: biosynthesis, protein, RNA, nucleic acid, plant metabolism ABSTRACT: Until recently the depression of growth processes and marked disturbances in protein synthesia under the influence of drought and elevated temperatures have not been considered from the standpoint of a relationship between the protein problem and the metabolism of nucleic acids Now it is known that growth, formative processes, and productivity in plants are very closely related to protein synthesis, in which RNA participates. The authors describe the results of an experimental investigation of the effect of a temporary (12-24-hr) increase in temperature (to 40-42 C) and of atmospheric drought on the RNA and protein content of the leaves of the potato plant. It is found that then the protein partially decomposes while the RNA content remains essentially the same and, in the leaves of temperature-hardened and Card 1/2 581.19: 612.015.33

ACC NRI A					_		0
Further, R with N ¹⁵ s rate of pr N ¹⁵ in tl complex cl sensitive has: 2 f	NA content dechowed the exist otein synthesine upper leave that of the protocolor to the effect igures and 5 to	is higher than creases with increases with increases. The decrease following the otein synthesis of high temperables. [JPRS]	relation bet se in the en drought ind reaction the ratures than	ween RNA corichment of dicates that here exists the total	ontent and the protein with t in the a link more RNA. Orig. ar		
SUB CODE:	06 / SUEM D	ATE: 05Feb63	/ ORIG REF	: 020 /	OTH REF: 014	•	
					1.		
	Z)						

```
VESELY,Ct.; TVRDEK,V.; TVRDEKOVA,E.

Gontribution to the treatment of trichomonal discharge. Cesk.

gyn. 25[39] no. 1/2:120-122 Mr '60.

1. II. gyn.-por. klinika EU, prednosta prof. MUDr. J. Lukas, Dr. Sc. (INCHOMENAS INFECTIONS ther.)

(ANTIMALARIALS ther.)
```

TVRDIK, F.

Weather report and meteorologic dispatch. (To be contd.) P. (3) of cover. METEOROLOGICKE ZPRAVY. Vol. 6, No. 2, May 1953

SO: Monthly East European Accession (EEAL), LC, Vol. 4, No. 9, Sept. 1955 Uncl.

TVRDIK. F.
Tvrdik, F.

Weather report and meteorologic dispatch. (To be contd.) p.(3) of cover.

So: Monthly List of East European Accession, (EEAL), LC, Vol. 4, No. 9, Sept. 1955, Uncl.

TVRDIK, V.

"Automatic dosing scales for loose materials."

AUTOMATISACE, Praha, Czechoslovakia, Vol. 2, no. 5, May 1959

Monthly List of East European Accessions Index (EEAI), LC, Vol. 8, No. 8, August 1959

Unclassified

S/194/62/000/007/033/160 D295/D308

AUTHORS:

Smejkal, Jaromir, and Tvrdik, Václav .

TITLE:

Inductive indicator

PERIODICAL:

Referativnyy zhurnal. Avtomatika i radioelektronika, no. 7, 1962, abstract 7-2-43 sh (Czech. pat. cl. 21 g,

30/10; 21 c, 40/01, no. 97224, Nov. 15, 1960)

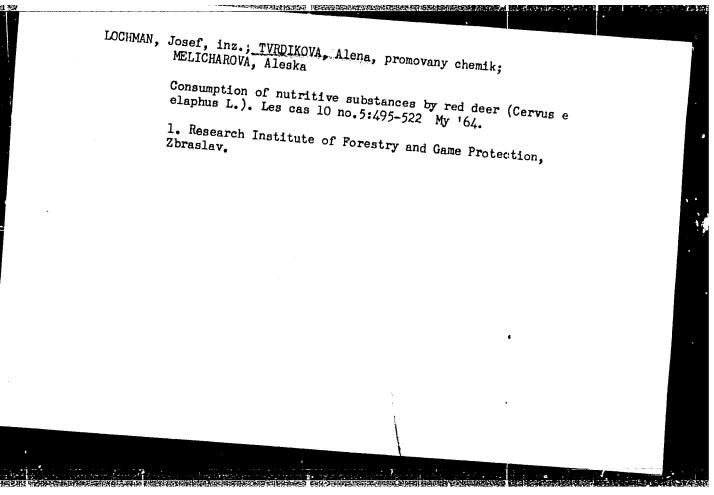
TEXT: The object of the patent is an inductive indicator for the detection of metallic and ferromagnetic bodies. The indicator is a transformer with an open magnetic circuit. To increase sensitivity, a compensation-type measurement method is introduced. Close to the gap of the magnetic circuit is situated a compensation core with a compensation winding connected in series with the secondary winding of the transformer, so that the emf's induced by the primarry winding in the secondary and compensation windings are subtracted. The number of turns of the secondary and compensation windings are so chosen that in the absence of metallic bodies the resulting emf is close or equal to zero. When a metallic body is present, the reluctance of the magnetic circuit of the secondary winding is Card 1/2

Inductive indicator

S/194/62/000/007/033/160 D295/D308

lowered and the magnetic flux through the secondary winding increases; at the same time the flux through the compensation winding decreases and an output voltage arises. 1 figure. [Abstracter's note: Complete translation.]

Card 2/2



VESELY,Ct.; TVRDEK,V.; TVRDEOVA,E.

Contribution to the treatment of trichomonal discharge. Cesk.

gyn. 25[39] no. 1/2:120-122 Mr '60.

1. II. gyn.-por. klinika KU, prednosta prof. MUDr. J.Lukas, Dr. Sc.

(TRICHOMONAS IMPECTIONS ther.)

(LEUKORHEMA ther.)

(ANTIMALARIALS ther.)

TVRDCH, J.

GEOGRAPHY & GEOLOGY

TVRDON, J. Leos Janacek in the Demanova Caverns. P. 448

Vol. 35, no. 12, Dec. 1958

Monthly Index of East European Accessions (EEAI) LC, Vol. 8, No. 4, April 1959

TYRDON, J.

CEOGRAPHY & GEOLOGY

Periodicals: KRASY SLOVENSKA. Vol. 35, No. 12, Dec., 1958.

TVRDON, J. Leos Jangcek in the Demanova Caverns. p. 448.

Monthly Lists of East European Accessions (EEAI) LC Vol. 8, No. 4, April 1959.
Unclass.

PROCHAZKOVA, M.; TVRDOMOVA, M.

Effect of 3-acetylpyridine on glycemia in normal and adrenalectomized rats. Sborn. lek. 67 no.2;:51-54 F 165.

1. Laborator pro endokrinologii a metabolismus fakulty vseohecneho lekarstvi University Karlovy v Praze (prednosta: akudemik J. Charvat).

TVETKOVIC, Reuf, sanitetski pukovnik

The problem of the extensive number of sick call in the army.
Vojnosanit. pregl. 21 no.12:782-785 D'64.

TVRTKOVIC, Reuf, sanitetski pukovnik, dr.; TOMASEVIC, Milorad, sanitetski major, dr.

Some clinical and epidemiologic aspects of the atypical pneumonia syndrome. Vojnosanit. pregl. 22 no.4:223-229 Ap'65.

1. Interno odeljenje, Vojna bolnica u Sarajevu.

TVRTKOVIC Reuf d-r.

PRINCIPALITY OF CONTRACTOR OF THE CONTRACTOR OF

Two case reports on Henoch-Schonlein syndrome. Med. arh., Sarajevo 11 no.3:33-38 May-June '57.

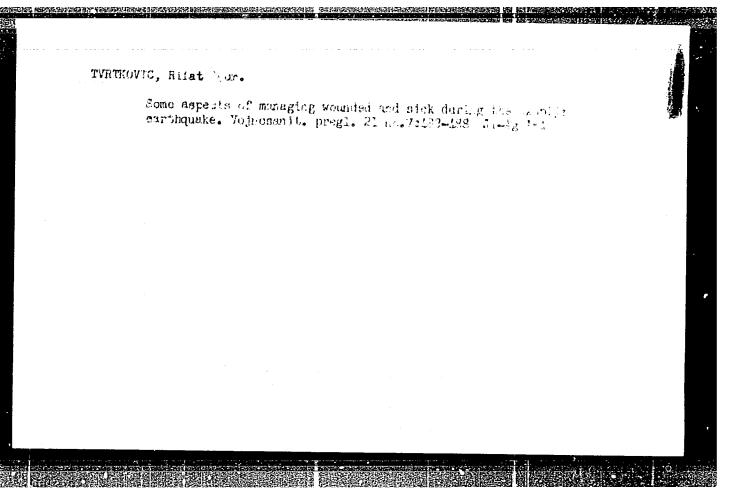
1. Interno odeljenje Vojne bolnice Sarajevo. Nacelnik: d-r Baruh

(PURPURA, NONTHROMBOPENIC, case reports Schoenlein-Henoch's syndrome (Ser))

TVRTKOVIC, Reuf, Dr.; SENDAREVIC, Hisam, Dr.

Problems of syndrome of atypical pneumonia. Med. arb.,
Sarajevo 10 no.1:27-40 Jan-Feb 56.

1. (Interno odjeljenje Vojne bolnice Sarajevo).
(PREUMONIA, PRIMARY ATYPICAL,
(Ser))



THE PROPERTY OF THE PARTY OF TH

JEVTIC, Zivojin; TVRTKOVIC, Rifat; PRICIC, Mithat; TRNINIC, Borivoje

- 3 Cases of Pierre-Marie-Bamberger disease. Srpski arh. celok. lek. 89 no.10:1207-1212 0 161.
- 1. Hirurska klinika Medicinskog fakulteta Univerziteta u Sarajevu Upravnik: prof. dr Feodor Lukac.

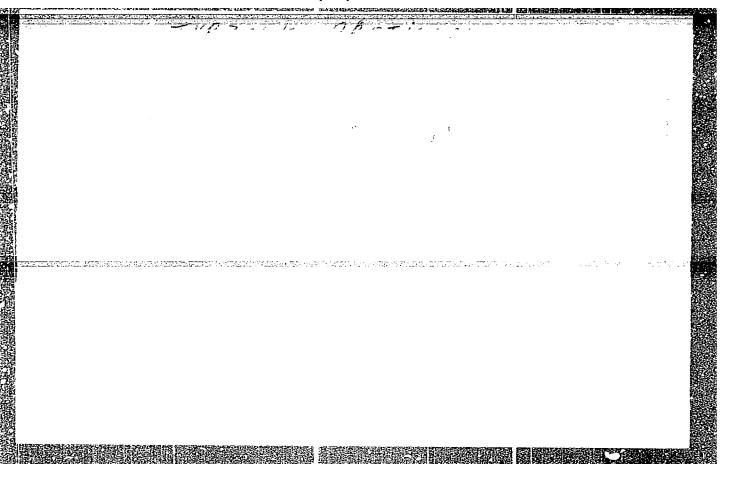
(OSTEOARTHROPATHY HYPERTROPHIC PULMONARY case reports)

5

SATAROVA, N.A.; TVORUS, Ye.K.

Effect of high temperature and drought on the RNA content and protein synthesis in plants. Izv. AN SSSR Ser. biol. 30 no.1: 66-74 Ja-F 165. (HIPA 18:2)

1. Institute of Plant Physiology, Academy of Sciences of the U.S.S.R., Moscow.



HRUBY, St.

SURIAME (in caps); Given Names

Country: Czechoslovakia

Academic Degrees: 9/not given/

Affiliation: Faculty of Medical Hygiene (Lekarska fakulta hygienicka), KU

/Karlova universita; Charles University/, Prague.

Source: Prague, Ceskoslovenska Hygiena, Vol VI, No 5, 1961, pp 310-314.

Data: "Sterilization of Spices by Means of Ethylene Oxide."

Co-athors:

MARESOVA, P., Deperatment of Hygienical Diet (Oddeleni hyg. vyzivy), Institute of Hygiena (Ustav hygieny),

Prague.

,83

TVRZNIK, D. Central Bohemian Fruta National Enterprise (Stredoceska Fruta, n.p.)

MUREK, Henryk, inz.; TWARDAWA, Bernard, mgr inz.

Modernization of a soda exchanger station for water softening.
Energotyka przem 10 no.8:269-290 Ag '62.

MUREK, Henryk, inz.; TWARDAWA, Bernard, mgr inz.

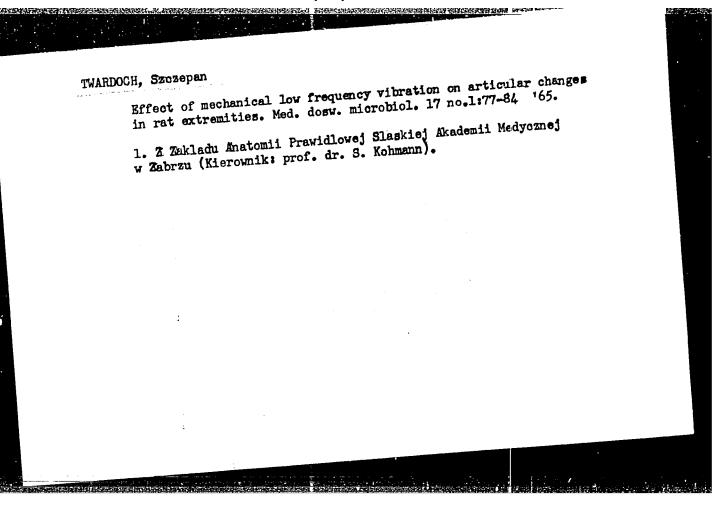
Rational water management in industrial plants. Gosp paliv 11 no.4:143-145 Ap 163.

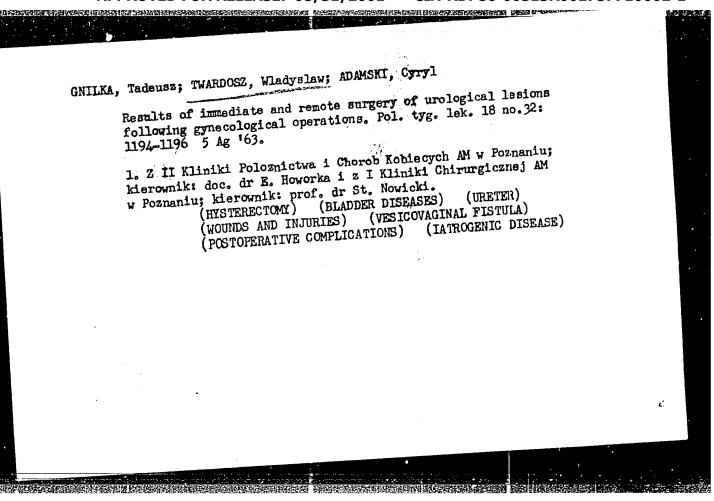
TWARDOCH, Szczepan

Treatment of postoperative duodenal fistylae by the irrigation with lactic acid solutions. Pol. przegl. chir. 34 no.10:997-1000 '62.

1. Ze Szpitala Miejskiego Nr 2 w Tarnowskich Gorach. Ordynator: dr J. Scierski.

(POSTGASTRECTOMY SYNDROMES) (LACTATES) (INTESTINAL FISTULA) (DUODENAL DISEASES)





TWARDOSZ, Wladyslaw; GNILKA, Tadeusz

Functional disturbances of the urinary bladder and upper
urinary tracts after radical excision of genital organs
urinary tracts after radical excision of genital organs
in cancer of the cervix uteri. Pol. przegl. chir. 37 no.7:

689-692 Jl '65.

1. Z I Kliniki Chirurgicznej AM w Poznaniu (Kierownik: prof. dr. S. Nowicki) i z II Kliniki Poloznictwa i Chorob Kobiecych AM w Poznaniu (Kierownik: prof. dr. E. Howorka).

TMARDOSZ, Wladysław

Jeionyomu of the bladder. Fol. przegł. chir. 36 no.5:717719 by *64.

1. Z I Kliniki Chirurgicznej Akademii Medycznej w Poznaniu
(Kierownik: prof. dr S. Nowicki).

TWARDOWSKA, I.

Investigating the leaking of salt water through spruce wood. p. 139

ROCZNIKI NAUK LESNYCH Vol. 9, 1951,

Poland

SOURCE: EEAL Vol 5, No. 10 Oct. 1956

KRZY SZrOF TWARDOWSKI, SURNAME, Given Names

Country: Poland

Academic Degrees:

Affiliation:

Source: Warsaw, Medycyna Weterynarina, Vol XVII, No 8, August 1961, pp 463-466. Data: "Activity of the Lyophilized Strain F₁₀₇ of the Newcastle Disease Virus at Various Temperatures."

MAREK, Kazimierz, Docent dr., Director of the Department of Poultry Diseases (Zaklad Chorob Drobiu), Veterinary Research Institute BORZEMSKA, Wanda.

TWARDOWSKI Krzysztof, Magister, Director of the Branch Testing Laboratory (Branzowa Laboratorium Badawcze) of the Poultry and Egg Industry (Przemysl Jajowy-Drobiarski), Poznan.

400 981643

RECORD THE SECOND PROPERTY OF THE SECOND PROPERTY SECOND

KOWALSKI, Edward; TWARDOWSKI, Zbylut

Uteroplacental apoplexy complicated by acute non-inflammatory renal failure. Pol. tyg. lek. 20 no.32:1210-1211 9 Ag '65.

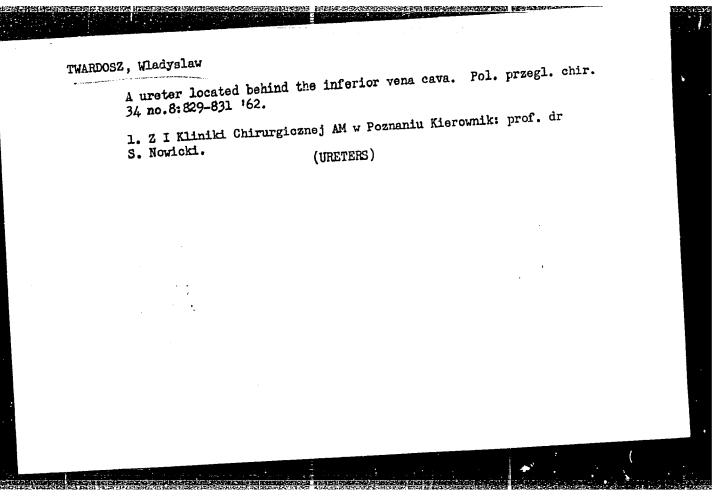
1. Z II Kliniki Poloznictwa i Chorob Kobiecych AM w Krakowie (Kierovnik: prof. dr. Maksymilian Seidler (obecnie doc. dr. Jerzy Zamello)) i z Osrodka dializy pozaustrojowej (Kierownik: doc. dr. Zygmunt Hanicki) przy II Klinice Chorob Wewnetrznych AM w Krakowie (Kierownik: doc. dr. Stanislaw Kirchmayer).

APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001757710002-1"

HANICKI, Zygmunt; PACZEK, Zuzanna; WIERNIKOWSKI, Adam; HIRSZEL, Przemyslaw;
THARDOWSKI, Alphut; BOGDAL, Jozef; DUZYK, Krystyna

Remult of activities of the center of extracorporeal dialysis
in Krakow. Poi. tyg. lek. 19 no.35:1330-1331 31 Ag '64.

1. Z II Kliniki Chorob Wewnetrznych Akademii Medycznej w
Krakowie (kierownik: doc. dr med. St. Kirmayer).



TWARDOSZ, Waldyslaw

Spontaneous rupture of the kidney. Polski presgl.chir. 27
no: 10:1009-1014 Oct. '55.

1. ZI Kiniki Chirurgicznej A.M. w Poznaniu. Kierownik:
prof. dr St. Nowicki. Poznan, ul. Dluga 1/2.
(KIDMETS, rupture.
spontaneous)

electrica in electrica de la companie de la compani

POLAND

GNILKA, Tadeusz, TWARDOSZ, Wladyslaw, and ADAMSKI, Cyryl; Second Clinic of Obstetrics and Cynecology (II Klinika Poloznictwa i Chorob Kobiecych) (Director: Docent, Dr. E. HOWORKA) and First Surgical Clinic (I Klinika Chirurgiczna) (Director: Prof. Dr. St. NOWICKI), both of the AM [Akademia Medyczna, Medical Academy] in Poznan

"Results of Immediate and Late Surgical Treatment of Injuries to the Urinary Tract Following Gynecological Operations."

Warsaw, Polski Tygodnik Lekarski, Vol 18, No 32, 5 Aug 63, pp 1194-1196

Abstract: [Authors' English summary modified] Suture of injuries to the urinary bladder or tract sustained during gynecological operations, whether performed immediately or later, is most successful provided care is taken to assure free passage of urine and prevent infection. Type and manner of operation is of significance. All 14 cases studied showed good results in control examination 1-5 years after operation. There are 18 references: One (1) Soviet, 8 Polish, 5 German, and 4 English.

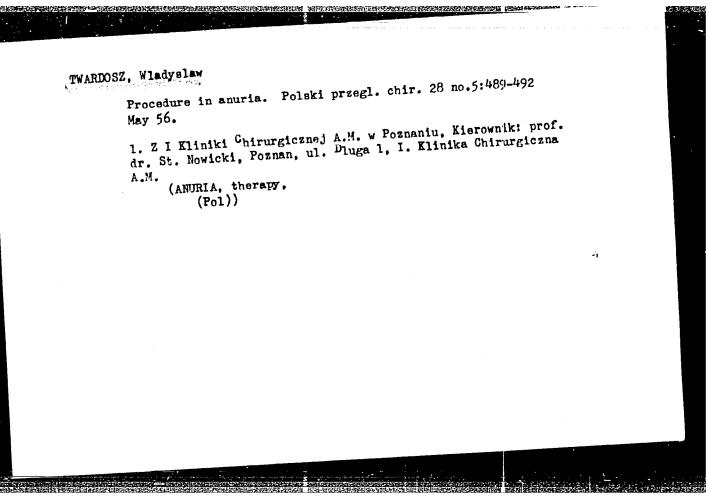
1/1

PILAMSKI, A.; TWARDOSZ, Wl.; JASINSKI, K.

Clinical applications of photoplethysmography. Polski tygod.
lek. 11 no.16:673-679 16 Apr 56.

1. Z Zakledu Fizyki Lekarskiej AM w Poznaniu, kier. z., prof.
A. Pilawski z I Kliniki Chirur. AM w Pozn., kier. prof. dr.
St. Nowicki; z I Kliniki Chorob Wewn. AM w Poznaniu; kier.
prof. dr. W. Kwasniewski, Poznan, ul. Dluga 1/2.

(PLETHISMOGRAPH,
photoplethysmography (Pol))



TWARKNEZ, Władysław; WALCZAK, Mieczysław

Basement membrane in the development of the rabbit kidney, fat.
Pol. 15 no. 22199-205 Ap-3 164

1. Z I Kliniki Chirurgicznej Akademii Medycznej w czaniu
(Rierownika prof. dr. med. St. Nowicki) i z II Kliniki
Chorob Dzieciących Akademii Medycznej w Poznaniu (Kierownika prof. dr. med. O. Szczepski).

CIA-RDP86-00513R001757710002-1 "APPROVED FOR RELEASE: 08/31/2001

U

POLAND / General Problems of Pathology. Tumors.

Human Neoplasms.

Abs Jour: Ref Zhur-Biol., No 11, 1958, 51803.

: Jasinski, K., Twardosz, W. Author

: Not given. Inst : Megakariocytic Leukemia.

Title

Orig Pub: Przegl. lekar., 1955, 11, No 10, 300-305.

Abstract: In 2 patients with marked enlargement of the

spleen and general malaise, with absence of changes in the peripheral blood, a large number of cells were noted in the bone marrow smear, among which there were many megakariocytes with delayed maturation. On one patient, splenectomy was performed, following which, his condition deteriorated very rapidly. The thrombo-

Card 1/2

CIA-RDP86-00513R001757710002-1" APPROVED FOR RELEASE: 08/31/2001